



FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24745-1613		SERIAL NO. 10/099,700	
	APPLICANT Madison <i>et al.</i>		CUST. NO. 24961	CONF. NO. 4309
	FILING DATE March 13, 2002		GROUP NO. 1652	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
WWM	A	0	1	5	3	0	1	4	08/14/03	Shen <i>et al.</i>	435	7.9	01/30/03
WWM	B	0	1	6	5	3	7	6	11/07/02	Walke <i>et al.</i>	536	32.2	11/07/02

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
WWM	C	0	1	9	8	4	6	8	12/27/01	PCT A2	←	→		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WWM	D	Seffernick <i>et al.</i> , "Mealamine daminase and atrazine chlorohydrolase: 98 percent identical but functionally different", <i>J. Biochem.</i> , 183:2405-2410 (2001)											
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Examiner William W. Moore Date Considered 18 November 2003

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24745-1613	SERIAL NO. 10/099,700
	APPLICANT Madison <i>et al.</i>	CUST. NO. CONF. NO. 24961 4309
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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
WUM	A	0	0	1	9	0	0	6	02/14/02	Yuan <i>et al.</i>	435	6	08/03/01
WUM	B	0	0	6	4	8	5	6	05/30/02	Plowman <i>et al.</i>	435	226	06/26/01
WUM	C	6	3	6	5	3	9	1	04/02/02	Webster <i>et al.</i>	435	183	12/13/00

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
WUM	D	0	1	2	7	6	2	4	04/19/01	PCT A2	—	—		
WUM	E	0	1	7	5	0	6	7	10/11/01	PCT A2	—	—		
WUM	F	0	2	0	6	4	5	3	01/24/02	PCT A2	—	—		
WUM	G	0	2	2	6	9	4	7	04/04/02	PCT A2	—	—		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

William W. Moore

DATE CONSIDERED

5 November 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)

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1645 1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
WLM	A	3	5	3	6	8	0	9	10/27/70	Applezweig	424	28	02/17/69
	B	3	5	9	8	1	2	3	08/10/71	Zaffaroni	128	268	04/01/69
	C	3	6	3	0	2	0	0	12/28/71	Higuchi	128	260	06/09/69
	D	3	6	4	5	0	9	0	02/29/72	Mochizuki et al.	58	58	06/19/70
	E	3	8	4	3	4	4	3	10/22/74	Fishman	195	63	03/30/73
	F	3	8	4	5	7	7	0	11/05/74	Theeuwes et al.	128	260	06/05/72
	G	3	9	1	6	8	9	9	11/04/75	Theeuwes et al.	128	260	02/07/74
	H	3	9	4	0	4	7	5	02/24/76	Gross	424	1	07/07/71
	I	4	0	0	6	1	1	7	02/01/77	Merrifield et al.	260	45.9 NP	06/06/75
	J	4	0	0	8	7	1	9	02/22/77	Theeuwes et al.	128	260	02/02/76
	K	4	1	7	9	3	3	7	12/18/79	Davis et al.	435	181	07/28/77
	L	4	2	4	4	7	2	1	01/13/81	Gupta et al.	65	31	01/31/79
	M	4	3	0	1	1	4	4	11/17/81	Iwashita et al.	424	78	07/10/80
	N	4	4	9	6	6	8	9	01/29/85	Mitra	525	54.1	12/27/83
	O	4	5	0	7	2	3	0	03/26/85	Tam et al.	260	112.5 R	05/12/82
	P	4	5	2	2	8	1	1	06/11/85	Eppstein et al.	514	2	07/08/82
	Q	4	6	4	0	8	3	5	02/03/87	Shimizu et al.	424	94	10/28/83
	R	4	6	7	0	4	1	7	06/02/87	Shimizu et al.	514	6	02/21/86
	S	4	6	8	7	6	1	0	08/18/87	Vassilatos	264	211.14	04/30/86
	T	4	7	6	9	0	2	7	09/06/88	Baker et al.	424	493	02/24/87
	U	4	7	9	1	1	9	2	12/13/88	Nakagawa et al.	530	399	06/18/87
	V	4	9	0	8	4	0	5	03/13/90	Bayer et al.	525	61	01/02/86
WLM	W	4	9	4	6	7	7	8	08/07/90	Ladner et al.	435	69.6	01/19/89

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William W. Moon

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29 October 2003

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Title: **NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON**

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1645/652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>LMW</i>	X	4	9	5	2	4	9	6	08/28/90	Studier et al.	435	91	12/29/86
<i>LMW</i>	Y	4	9	8	0	2	8	6	12/25/90	Morgan et al.	435	172.3	01/03/89
	Z	5	0	5	9	5	9	5	10/22/91	Le Grazie	424	468	03/20/90
	AA	5	0	7	3	5	4	3	12/17/91	Marshall et al.	514	21	07/21/88
	AB	5	1	2	0	5	4	8	06/09/92	McClelland et al.	424	473	11/07/89
	AC	5	2	1	5	8	9	9	06/01/93	Dattagupta	435	6	08/23/90
	AD	5	2	2	5	5	3	9	07/06/93	Winter	530	387.3	10/25/91
	AE	5	2	7	0	1	7	0	12/14/93	Schatz et al.	435	7.37	10/16/91
	AF	5	2	9	2	8	1	4	03/08/94	Bayer et al.	525	243	03/14/91
	AG	5	3	0	4	4	8	2	04/19/94	Sambrook et al.	435	226	09/28/90
	AH	5	3	3	8	6	6	5	08/16/94	Schatz et al.	435	6	10/15/92
	AI	5	3	5	4	5	6	6	10/11/94	Addesso et al.	426	9	06/02/93
	AJ	5	3	8	9	4	4	9	02/14/95	Afeyan et al.	428	523	01/05/93
	AK	5	4	3	6	1	2	8	07/25/95	Harpold et al.	435	6	01/27/93
	AL	5	4	8	2	8	4	8	01/09/96	Dickson et al.	435	219	02/22/94
	AM	5	4	8	6	6	0	2	01/23/96	Sambrook et al.	536	23.2	12/17/93
	AN	5	5	3	4	4	1	8	07/09/96	Evans et al.	435	69.1	12/10/93
	AO	5	5	5	0	0	4	2	08/27/96	Sambrook et al.	435	172.1	11/13/89
	AP	5	5	7	1	6	9	6	11/05/96	Evans et al.	435	69.1	11/02/94
	AQ	5	5	9	1	7	6	7	01/07/97	Mohr et al.	514	413	06/06/95
	AR	5	5	9	7	7	0	5	01/28/97	Evans et al.	435	69.1	12/10/93
	AS	5	6	1	2	4	7	4	03/18/97	Patel	536	27.14	06/30/94
	AT	5	6	3	9	4	7	6	06/17/97	Oshlack et al.	424	468	06/02/95

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24745-1613	SERIAL NO. 10/099,700
	APPLICANT MADISON et al.	
	FILING DATE March 13, 2002	GROUP 1646 1652

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EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>WMM</i>	AU	5	6	4	3	5	7	8	07/01/97	Robinson et al.	424	210.1	01/27/93
<i>WMM</i>	AV	5	6	7	4	5	3	3	10/07/97	Santus et al.	424	493	05/26/95
	AW	5	7	1	0	0	0	4	01/20/98	Evans et al.	435	6	08/07/96
	AX	5	7	2	8	5	6	4	03/17/98	Sambrook et al.	435	215	05/21/96
	AY	5	7	3	3	5	6	6	03/31/98	Lewis	424	426	10/30/95
	AZ	5	7	6	7	1	7	4	06/16/98	Nakagawa et al.	523	217	01/27/97
	BA	5	7	9	2	6	1	6	08/11/98	Persico et al.	435	7.21	06/05/95
	BB	5	7	9	5	8	7	2	08/18/98	Ricigliano et al.	514	44	09/19/95
	BC	5	8	6	1	2	7	4	01/19/99	Evans et al.	435	69.1	06/07/95
	BD	5	8	6	6	4	1	3	02/02/99	Sambrook et al.	435	320.1	11/25/97
	BE	5	9	0	2	7	2	3	05/11/99	Dower et al.	435	6	07/12/96
	BF	5	9	2	5	5	2	5	07/20/99	Fodor et al.	435	6	04/03/98
	BG	5	9	7	2	6	1	6	10/26/99	O'Brien et al.	435	6	02/20/98
	BH	6	1	2	1	2	3	8	09/19/00	Dower et al.	514	13	02/03/99
	BI	6	2	7	0	9	8	8	08/07/01	Brinkmann et al.	435	69.1	01/27/93
	BJ	6	3	2	3	3	3	2	11/27/01	Fukuda et al.	536	23.2	01/21/99
<i>WMM</i>	BK	6	3	3	7	0	7	2	01/08/02	Ford et al.	424	198.1	07/07/99

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EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
<i>WMM</i>	BL	0	0	3	7	1	9	5	02/08/00	JP				X+
<i>WMM</i>	BM	0	0	7	8	9	9	0	03/21/00	JP				X+
<i>WMM</i>	BN	0	1	2	9	0	5	8	04/26/01	PCT A1				

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EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
													Yes	No
WMM	BO	0	1	3	6	3	5	1	05/25/01	PCT A2				
↑	BP	0	1	3	6	6	0	4	05/25/01	PCT A2				
	BQ	0	1	3	6	6	4	5	05/25/01	PCT A2				
	BR	0	1	4	6	4	0	7	06/28/01	PCT A1				
	BS	0	1	5	5	3	0	1	08/02/01	PCT A2				
	BT	0	1	5	4	4	7	7	08/02/01	PCT A2				
	BU	0	1	5	5	4	4	1	08/02/01	PCT A2				
	BV	0	1	5	7	1	9	4	08/09/01	PCT A2				
	BW	0	2	0	7	7	2	67	10/03/02	PCT A2				
	BX	0	2	1	4	3	4	9	02/21/02	PCT A2				
	BY	0	2	2	0	4	7	5	03/14/02	PCT A2				
	BZ	0	3	2	0	3	0	8	06/14/89	EP B1				
	CA	0	4	6	2	2	0	7	03/01/90	EP B1				
	CB	0	6	1	3	6	8	3	07/09/94	EP A1 & B1				
	CC	1	0	2	9	9	2	1	08/23/00	EP A1				
	CD	1	1	8	2	2	0	7	02/27/02	EP A2				
	CE	8	6	0	3	8	4	0	03/07/86	PCT				
	CF	8	8	0	9	8	1	0	12/15/88	PCT				
	CG	8	9	1	0	1	3	4	11/02/89	PCT				
	CH	9	0	1	0	6	4	9	09/20/90	PCT				
	CI	9	0	1	1	3	6	4	10/04/90	PCT				
↓	CJ	9	0	1	3	6	7	8	11/15/90	PCT				
WMM	CK	9	2	0	6	1	8	0	04/16/92	PCT				

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1645 1652

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
													Yes	No
WWM	CL	9	2	0	6	2	0	3	04/16/92	PCT				
↑	CM	9	2	2	0	3	1	6	11/26/92	PCT				
	CN	9	2	2	2	6	3	5	12/23/92	PCT				
	CO	9	3	1	4	1	8	8	07/22/93	PCT				
	CP	9	3	2	0	2	2	1	10/14/93	PCT				
	CQ	9	3	2	5	2	2	1	23/12/93	PCT				
	CR	9	4	0	8	5	9	8	04/28/94	PCT				
	CS	9	4	1	7	7	8	4	18/08/94	PCT				
	CT	9	5	1	1	7	5	5	05/04/95	PCT				
	CU	9	5	3	4	3	2	6	12/21/95	PCT				
	CV	9	7	3	9	0	2	1	10/23/97	PCT				
	CW	9	7	4	7	3	1	4	12/18/97	PCT				
	CX	9	8	2	1	3	2	0	05/22/98	PCT				
WWM	CY	9	8	3	2	6	1	9	07/01/99	PCT				

X = An English language equivalent is provided.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WWM	CZ	Abraham <i>et al.</i> , "Immunochemical Identification of the Serine Protease Inhibitor α_1 -Antichymotrypsin in the Brain Amyloid Deposits of Alzheimer's Disease", <i>Cell</i> , 52:487-501 (1988)
WWM	DA	Adams <i>et al.</i> , "The <i>c-myc</i> oncogene driven by immunoglobulin enhancers induces lymphoid malignancy in transgenic mice", <i>Nature</i> , 318:533-538 (1985)
WWM	DB	Alam <i>et al.</i> , "Reporter Genes: Application to the Study of Mammalian Gene Transcription", <i>Anal. Biochem.</i> , 188:245-254 (1990)
WWM	DC	Alexander <i>et al.</i> , "Expression of the <i>c-myc</i> Oncogene under Control of an Immunoglobulin Enhancer in <i>Eμ-myc</i> Transgenic Mice", <i>Mol. Cell Biol.</i> , 7(4):1436-1444 (1987)

EXAMINER

William W. Mason

DATE CONSIDERED

29 October 2003

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>WMM</i> ↑	DD	Alonso <i>et al.</i> , "Effects of synthetic urokinase inhibitors on local invasion and metastasis in a murine mammary tumor model", <i>Breast Cancer Res. Treat.</i> , <u>40</u> :209-223 (1996)
	DE	Avery <i>et al.</i> , "Systemic Amiloride Inhibits Experimentally Induced Neovascularization", <i>Arch. Ophthalmol.</i> , <u>108</u> :1474-1476 (1990)
	DF	Bains <i>et al.</i> , "Effects of LEX032, a novel recombinant serine protease inhibitor, on N ⁶ -nitro-L-arginine methyl ester induced leukocyte-endothelial cell", <i>Eur. J. Pharmacol.</i> , <u>356</u> :67-72 (1998)
	DG	Baker <i>et al.</i> , "A Scintillation Proximity Assay for UDP-GalNAc:Polypeptide, N-Acetylgalactosaminyltransferase", <i>Anal. Biochem.</i> , <u>239</u> :20-24 (1996)
	DH	Bannwarth <i>et al.</i> , "Global Phosphorylation Of Peptides Containing Oxidation-Sensitive Amino Acids", <i>Bioorganic & Medicinal Chem. Lett.</i> , <u>6</u> (17):2141-2146 (1996)
	DI	Bartel <i>et al.</i> , "Isolation of New Ribozymes from a Large Pool of Random Sequences", <i>Science</i> , <u>261</u> :1411-1418 (1993)
	DJ	Bassell-Duby <i>et al.</i> , "Tyrosine 67 in the Epidermal Growth Factor-like Domain of Tissue-type Plasminogen Activator Is Important for Clearance by a Specific Hepatic Receptor", <i>J Biol Chem</i> , <u>267</u> (14):9668-9677 (1992)
	DK	Batra <i>et al.</i> , "Insertion of Constant Region Domains of Human IgG ₁ Into CD4-PE40 Increases Its Plasma Half-life", <i>Molecular Immunol.</i> , <u>30</u> (4):379-386 (1993)
	DL	Baum <i>et al.</i> , "Development of a Scintillation Proximity Assay for Human Cytomegalovirus Protease Using ³³ Phosphorous", <i>Anal. Biochem.</i> , <u>237</u> :129-134 (1996)
	DM	Baumbach <i>et al.</i> , "Protein Purification Using Affinity Ligands Deduced from Peptide Libraries", <i>BioPharm.</i> , May ed., 24-35 (1992)
TECH CENTER 1600/2900 JAN 09 2003 RECEIVED <i>WMM</i>	DN	Beck <i>et al.</i> , "Identification of Efficiently Cleaved Substrates for HIV-1 Protease Using a Phage Display Library and Use in Inhibitor Development", <i>Virology</i> , <u>274</u> (2):391-401 (2000)
	DO	Benoist <i>et al.</i> , "In vivo sequence requirements of the SV40 early promoter region", <i>Nature</i> , <u>290</u> :304-310 (1981)
	DP	Benton <i>et al.</i> , "Screening λ gt Recombinant Clones by Hybridization to Single Plaques in situ", <i>Science</i> , <u>196</u> :180-182 (1977)
	DQ	Berg <i>et al.</i> , "Long-Chain Polystyrene-Grafted Polyethylene Film Matrix: A New Support for Solid-Phase Peptide Synthesis", <i>J. Am. Chem. Soc.</i> , <u>111</u> :8024-8026 (1989)

EXAMINER

William W. Brown

DATE CONSIDERED

24 October 2003

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WMM	DR	Berg et al., Book: "Peptide Synthesis on Polystyrene-Grafted Polyethylene Sheets", <u>Pept. Proc. 20th Eur. Pept. Symp.</u> , Jung, G. et al., Eds, pp. 196-198 (1988)
↑	DS	Berg et al., Book: "Polystyrene-Grafted Polyethylene: Design of Film and Felt Matrices for Solid-Phase Peptide Synthesis", <u>Innovation Perspect. Solid Phase Synth. Collect. Pap.</u> , Int. Symp, 1st Epton, Roger, Ed., pp. 453-459 (1990)
	DT	Berger et al., "Structure of the mouse gene for the serine protease inhibitor neuroserpin (PI12)", <u>Gene</u> , 214:25-33 (1998)
	DU	Berger et al., "Structure of the mouse gene for the serine protease inhibitor neuroserpin (PI12)", <u>Gene</u> , 214:25-33 (1998)
	DV	Berger et al., "Structure of the mouse gene for the serine protease inhibitor neuroserpin (PI12)", <u>Gene</u> , 214:25-33 (1998)
	DW	Bernstein et al., "Role for a bidentate ribonuclease in the initiation step of RNA interference", <u>Nature</u> , 409:363-366 (2001)
	DX	Billström et al., "The Urokinase Inhibitor p-Aminobenzamidine Inhibits Growth of a Human Prostate Tumor in SCID Mice", <u>Int. J. Cancer</u> , 61:542-547 (1995)
	DY	Blaney et al., "Computational approaches for combinatorial library design and molecular diversity analysis", <u>Curr. Opin. Chem. Biol.</u> , 1:54-59 (1997)
	DZ	Blanton et al., "Characterization of a native and recombinant <i>Schistosoma haematobium</i> serine protease inhibitor gene product", <u>Mol. Biochem. Parasitol.</u> , 63:1-11 (1994)
	EA	Bock et al., "Isolation of Human Blood Coagulation α -Factor X _a by Soybean Trypsin Inhibitor-Sepharose Chromatography and Its Active-Site Titration with Fluorescein Mono-p-guanidinobenzoyl", <u>ARCH Biochem Biophys</u> , 273(2):375-388 (1989)
	EB	Bock et al., "Selection of single-stranded DNA molecules that bind and inhibit human thrombin", <u>Nature</u> , 355:564-566 (1992)
	EC	Boesen et al., "Circumvention of chemotherapy-induced myelosuppression by transfer of the <i>mdr1</i> gene", 6:291-302 (1994)
	ED	Borman, S., "Scientists Refine Understanding Of Protein Folding And Design", <u>Chem. Eng. News</u> , 2(12):29-35 (1996)
	EE	Boublik et al., "Eukaryotic Virus Display: Engineering the Major Surface Glycoprotein of the <i>Autographa californica</i> Nuclear Polyhedrosis Virus (AcNPV) for the Presentation of Foreign Proteins on the Virus Surface", <u>Bio/Technol.</u> , 13:1079-1084 (1995)

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24745-1613	SERIAL NO. 10/099,700
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT MADISON et al.	
	FILING DATE March 13, 2002	GROUP 1845 1652

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WWM	EF	Bourinbaier <i>et al.</i> , "Effect of Serine Protease Inhibitor, <i>N</i> - α -Tosyl-L-lysyl-Chloromethyl Ketone (TLCK), on Cell-Mediated and Cell-Free HIV-1 Spread", <i>Cell. Immuno.</i> , <u>155</u> :230-236 (1994)
↑	EG	Bout <i>et al.</i> , "Lung Gene Therapy: <i>In Vivo</i> Adenovirus-Mediated Gene Transfer to Rhesus Monkey Airway Epithelium", <i>Human Gene Therapy</i> , <u>5</u> :3-10 (1994)
	EH	Braunwalder <i>et al.</i> , "Application of Scintillating Microtiter Plates to Measure Phosphopeptide Interactions with the GRB2-SH2 Binding Domain", <i>J. Biomol. Screening</i> , <u>1</u> (1):23-26 (1996)
	EI	Brenner <i>et al.</i> , "Encoded combinatorial chemistry", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> :5381-5383 (1992)
	EJ	Brinster <i>et al.</i> , "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs", <i>Nature</i> , <u>296</u> :39-42 (1982)
	EK	Brooks <i>et al.</i> , "Use of the 10-Day-Old Chick Embryo Model for Studying Angiogenesis", <i>Methods in Molecular Biology</i> , <u>129</u> :257-269 (1999)
	EL	Bunin <i>et al.</i> , "A General and Expedient Method for the Solid-Phase Synthesis of 1,4-Benzodiazepine Derivatives", <i>J. Am. Chem. Soc.</i> , <u>114</u> :10997-10998 (1992)
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	EN	Butz <i>et al.</i> , "Immunization and Affinity Purification of Antibodies Using Resin-Immobilized Lysine-Branched Synthetic Peptides", <i>Peptide Res.</i> , <u>7</u> (1):20-23 (1994)
	EO	Caflisch <i>et al.</i> , "Computational combinatorial chemistry for de novo ligand design: Review and assessment", <i>Perspectives in Drug Discovery and Design</i> , <u>3</u> :51-84 (1995)
	EP	Capecchi <i>et al.</i> , "Altering the Genome by Homologous Recombination", <i>Science</i> , <u>244</u> :1288-1292 (1989)
	EQ	Carrillo <i>et al.</i> , "The Multiple Sequence Alignment Problem in Biology", <i>SIAM J Appl Math</i> , <u>48</u> (5):1073-1082 (1988)
	ER	Chen <i>et al.</i> , "Analogous" Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis", <i>J. Am. Chem. Soc.</i> , <u>116</u> :2661-2662 (1994)
WWM	ES	Chen <i>et al.</i> , "IL-1 β Induces Serine Protease Inhibitor 3 (SPI-3) Gene Expression in Rat Pancreatic β -Cells. Detection by Differential display of Messenger RNA", <i>CYTOKINE</i> , <u>11</u> (11):856-862 (1999)

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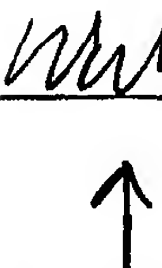

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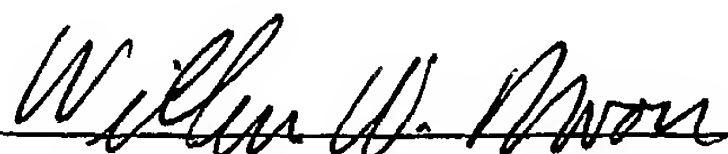
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	ET	Chen <i>et al.</i> , "Interaction of Phosphorylated FcγR1γ Immunoglobulin Receptor Tyrosine Activation Motif-based Peptides with Dual and Single SH2 Domains of p72 ^{syk} ", <i>J. Biol. Chem.</i> , <u>271</u> (41):25308-25315 (1996)
	EU	Cheng <i>et al.</i> , "Sequence-Selective Peptide Binding with a Peptido-A,B- <i>trans</i> -steroidal Receptor Selected from an Encoded Combinatorial Receptor Library", <i>J. Am. Chem. Soc.</i> , <u>118</u> :1813-1814 (1996)
	EV	Chu <i>et al.</i> , "Using Affinity Capillary Electrophoresis To Identify the Peptide in a Peptide Library that Binds Most Tightly to Vancomycin", <i>J. Org. Chem.</i> , <u>58</u> :648-652 (1993)
	EW	Chuang <i>et al.</i> , "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ", <i>PNAS</i> , <u>97</u> (9):4985-4990 (2000)
	EX	Clackson <i>et al.</i> , "Making antibody fragments using phage display libraries", <i>Nature</i> , <u>352</u> :624-628 (1991)
	EY	Cline <i>et al.</i> , "Perspectives for Gene Therapy: Inserting New Genetic Information into Mammalian Cells by Physical Techniques and Viral Vectors", <i>Pharmac. Ther.</i> , <u>29</u> :69-92 (1985)
	EZ	Clowes <i>et al.</i> , "Long-Term Biological Response of Injured Rat Carotid Artery Seeded with Smooth Muscle Cells Expressing Retrovirally Introduced Human Genes", <i>J. Clin. Invest.</i> , <u>93</u> :644-651 (1994)
	FA	Cole <i>et al.</i> , in <u>Monoclonal Antibodies and Cancer Therapy</u> , "The EBV-Hybridoma Technique and Its Application to Human Lung Cancer", <i>Alan R. Liss, Inc.</i> , pages 77-96 (1985)
	FB	Combs <i>et al.</i> , "Protein Structure-Based Combinatorial Chemistry: Discovery of Non-Peptide Binding Elements to Src SH3 Domain", <i>J. Am. Chem. Soc.</i> , <u>118</u> :287-288 (1996)
	FC	Coombs <i>et al.</i> , "Revisiting Catalysis by Chymotrypsin Family Serine Proteases Using Peptide Substrates and Inhibitors with Unnatural Main Chains", <i>J. Biol. Chem.</i> , <u>274</u> (34):24074-24079 (1999)
TECH CENTER JAN 8 2003 1600/2900 		Coombs <i>et al.</i> , "Substrate specificity of prostate-specific antigen (PSA)", <i>Chem. Biol.</i> , <u>5</u> (9):475-488 (1998)
	E	Coombs <i>et al.</i> , "Directing Sequence-Specific Proteolysis to New Targets. The Influence Of Loop Size And Target Sequence Of Selective Proteolysis By Tissue-Type Plasminogen Activator And Urokinase-Type Plasminogen Activator", <i>J. Biol. Chem.</i> , <u>273</u> (8):4323-4328 (1998)

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<i>Wm</i>	FF	Coombs <i>et al.</i> , "Distinct Mechanisms Contribute to Stringent Substrate Specificity of Tissue-type Plasminogen Activator", <i>J. Biol. Chem.</i> , <u>271</u> (8):4461-4467 (1996)
<i>↑</i>	FG	Cote <i>et al.</i> , "Generation of human monoclonal antibodies reactive with cellular antigens", <i>Proc. Natl. Acad. Sci. USA</i> , <u>80</u> :2026-2030 (1983)
	FH	Cotten <i>et al.</i> , "Receptor-Mediated Transport of DNA into Eukaryotic Cells", <i>Meth. Enzymol.</i> , <u>218</u> :619-644 (1993)
	FI	Crowley <i>et al.</i> , "Prevention of metastasis by inhibition of the urokinase receptor", <i>Proc. Natl. Acad. Sci. USA</i> , <u>90</u> :5021-5025 (1993)
	FJ	Cumber <i>et al.</i> , "Structural Features of the Antibody-A Chain Linkage that Influences the Activity and Stability of Ricin A Chain Immunotoxins", <i>Bioconj. Chem.</i> , <u>3</u> :397-401 (1992)
	FK	<u>Current Protocols in Molecular Biology</u> , Book: Chapter 16, John Wiley & Sons, Inc. (1990)
	FL	<u>Current Protocols in Molecular Biology</u> , Book: Chapter 10, John Wiley & Sons, Inc. (2001)
	FM	Cwirla <i>et al.</i> , "Peptides on phage: A vast library of peptides for identifying ligands", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :6378-6382 (1990)
	FN	DATABASE EMBL Accession number AF064819, October 28, 1999, J.C. Lang and D.E. Schuller: "Homo sapiens serine protease DESC1 MRNA", XP002166624, abstract
	FO	De Boer <i>et al.</i> , "The <i>tac</i> promoter: A functional hybrid derived from the <i>trp</i> and <i>lac</i> promoters", <i>Proc. Natl. Acad. Sci. USA</i> , <u>80</u> :21-25 (1983)
	FP	Delaria <i>et al.</i> , "Characterization of Placental Bikunin, a Novel Human Serine Protease Inhibitor", <i>J. Biol. Chem.</i> , <u>272</u> (18):12209-12214 (1997)
	FQ	Devlin <i>et al.</i> , "Random Peptide Libraries: A Source of Specific Protein "Binding Molecules", <i>Science</i> , <u>249</u> :404-406 (1990)
	FR	DeWitt <i>et al.</i> , "Diversomers: An approach to nonpeptide, nonoligomeric chemical diversity", <i>Proc. Natl. Acad. Sci. USA</i> , <u>90</u> :6909-6913 (1993)
	FS	Dexter <i>et al.</i> , "Conditions Controlling the proliferation of Haemopoietic Stem Cells In Vitro", <i>J. Cell. Physiol.</i> , <u>91</u> :335-344 (1976)
<i>Wm</i>	FT	Ding <i>et al.</i> , "Origins of the specificity of tissue-type plasminogen activator", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> (17):7627-7631 (1995)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> RECEIVED JAN 09 2003 TECH CENTER 1600/2900 </div>	WMM	FU	Dower et al., "The Search for Molecular Diversity (II): Recombinant and Synthetic Randomized Peptide Libraries", <i>An. Rep. Med. Chem.</i> , <u>26</u> :271-280 (1991)
	↑	FV	Dryjanski et al., "N-Tosyl-L-phenylalanine Chloromethyl Ketone, a Serine Protease Inhibitor, Identifies Glutamate 398 at the Coenzyme-Binding Site of Human Aldehyde Dehydrogenase. Evidence for a Second "Naked Anion" at the Active Site", <i>Biochem.</i> , <u>37</u> (40):14151-14156 (1998)
		FW	Dufer et al., "Differential Effect of the Serine Protease Inhibitor Phenyl Methyl Sulfonyl Fluoride on Cytochemically Detectable Esterases in Human Leucocytes and Platelets", <i>Scand. J. Haematol.</i> , <u>32</u> (1):25-32 (1984)
		FX	Eck et al., "Structure of TNF- α : Implications for Receptor Binding", <i>J. Biol. Chem.</i> , <u>26</u> :17605 (1989)
		FY	Eck et al., "The Structure of Tumor Necrosis Factor- α at 2.6 Å Resolution", <i>J Biol Chem</i> , <u>264</u> (29):17595-17605 (1989)
		FZ	Ecker et al., "Combinatorial Drug Discovery: Which Methods Will Produce the Greatest Value?", <i>Bio/Technol.</i> , <u>13</u> :351-360 (1995)
		GA	Edwards et al., "Inhibition of elastase by a synthetic cotton-bound serine protease inhibitor: in vitro kinetics and inhibitor release", <i>Wound Repair Regen.</i> , <u>7</u> (2):106-118 (1999)
		GB	Eichler et al., "Identification of Substrate-Analog Trypsin Inhibitors through the Screening of Synthetic Peptide Combinatorial Libraries", <i>Biochem.</i> , <u>32</u> :11035-11041 (1993)
		GC	Elbashir et al., "Duplexed of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", <i>Nature</i> , <u>411</u> :494-498 (2001)
		GD	Elbashir et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs", <i>Genes & Develop</i> , <u>15</u> :188-200 (2001)
		GE	Ellington et al., "In vitro selection of RNA molecules that bind specific ligands", <i>Nature</i> , <u>346</u> :818-822 (1990)
		GF	Erickson et al., "Design, Activity, and 2.8 Å Crystal Structure of a C ₂ Symmetric Inhibitor Complexed to HIV-1 Protease", <i>Science</i> , <u>249</u> :527-533 (1990)
		GG	Erickson et al., Book: <u>The Proteins</u> , "Solid-Phase Peptide Synthesis", Volume II, Neurath H., Hill, R.L. Eds., Academic Press, New York, pp. 255-257 (1976)
	WMM	GH	Evans et al., "Design of Nonpeptidal Ligands for a Peptide Receptor: Cholecystokinin Antagonists", <i>J. Med. Chem.</i> , <u>30</u> :1229-1239 (1987)

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Wm	GI	Farley et al., "Cloning and sequence analysis of rat hepsin, a cell surface serine proteinase", <i>BioChem. Biophys. Acta</i> , 1173 :350-352 (1993)
↑	GJ	Fattom et al., "Comparative Immunogenicity of Conjugates Composed of the <i>Staphylococcus aureus</i> Type 8 Capsular Polysaccharide Bound to Carrier Proteins by Adipic Acid Dihydrazide or <i>N</i> -Succinimidyl-3-(2-Pyridyldithio)propionate", <i>Infection & Immun.</i> , 60 (1):584-589 (1992)
	GK	Fauchere, "Elements for the Rational Design of Peptide Drugs", <i>Adv. Drug Res.</i> , 15 :29-69 (1986)
	GL	Fay et al., "Platelets inhibit fibrinolysis in vitro by both plasminogen activator inhibitor dependent and -independent mechanisms", <i>Blood</i> , 83 (2):351-356 (1994)
	GM	Felici, F., "Selection of Antibody Ligands from a Large Library of Oligopeptides Expressed on a Multivalent Exposition Vector", <i>J. Mol. Biol.</i> , 222 :301-310 (1991)
	GN	Feinstein et al., "Thrombin, Collagen and A23187 Stimulated Endogenous Platelet Arachidonate Metabolism: Differential Inhibition by PGE ₁ , Local Anesthetics and a Serine-Protease Inhibitor", <i>Prostaglandins</i> , 14 (6):1075-1093 (1977)
	GO	Fire et al., "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ", <i>Nature</i> , 391 :806-811 (1998)
	GP	Fire, A., "RNA-triggered gene silencing", <i>Trends in Genetics</i> , 15 (9):358-363 (1999)
	GQ	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <i>Science</i> , 251 :767-773 (1991)
	GR	Forney et al., "Interaction of the human Serine Protease Inhibitor α -1-Antitrypsin with <i>Cryptosporidium Parvum</i> ", <i>J. Parasitol.</i> , 82 (3):496-502 (1996)
	GS	Franceschini et al., "Polysialyltransferase ST8Sia II (STX) polysialylates all of the major isoforms of NCAM and facilitates neurite outgrowth", <i>Glycobiol.</i> , 11 (3):231-239 (2001)
	GT	Francisco et al., "Transport and anchoring of β -lactamase to the external surface of <i>Escherichia coli</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 89 :2713-2717 (1992)
	GU	Friedrich et al., "Catalytic Domain Structures of MT-SP1/Matriptase, a Matrix-degrading Transmembrane Serine Proteinase", <i>J Bio Chem</i> , 277 (3):2160-2168 (2002)
Wm	GV	Fujise et al., "A tissue plasminogen activator/P-selectin fusion protein is an effective thrombolytic agent", <i>Circulation</i> , 95 (3):715-722 (1997)

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<i>WLM</i>	GW	Gallop <i>et al.</i> , "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries", <i>J. Med. Chem.</i> , <u>37</u> (9):1233-1251 (1994)
↑	GX	Gante, "Peptidomimetics-tailored Enzyme Inhibitors", <i>Angew. Chem. Int. Ed. Engl.</i> , <u>33</u> :1699-1720 (1994)
	GY	Garcia <i>et al.</i> , "The E. coli dnaY Gene Encodes an Arginine Transfer RNA", <i>Cell</i> <u>45</u> : 453-459 (1986)
	GZ	Gardner <i>et al.</i> , "The complete nucleotide sequence of an infectious clone of cauliflower mosaic virus by M13mp7 shotgun sequencing", <i>Nucleic Acids. Res.</i> , <u>9</u> (12):2871-2888 (1981)
	HA	Gautier <i>et al.</i> , "α-DNA IV: α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", <i>Nucl. Acids Res.</i> , <u>15</u> :6625-6641 (1987)
	HB	Gavazzi <i>et al.</i> , "Responsiveness of sympathetic and sensory iridial nerves to NGF treatment in young and aged rats", <i>Neurobiol. of Aging</i> , <u>22</u> :287-297 (2001)
	HC	Georgiou <i>et al.</i> , "Practical applications of engineering Gram-negative bacterial cell surfaces", <i>TIBTECH</i> , <u>11</u> :6-10 (1993)
	HD	Gething <i>et al.</i> , "Variants of human tissue-type plasminogen activator that lack specific structural domains of the heavy chain", <i>EMBO J.</i> , <u>7</u> (9):2731-2740 (1988)
	HE	Geysen <i>et al.</i> , "Use of peptide synthesis to probe viral antigens for epitopes to a resolution of a single amino acid", <i>Proc. Natl. Acad. Sci. USA</i> , <u>81</u> :3998-4002 (1984)
TECH CENTER 1600/2900 JAN 09 2003 ↓	HF	Ghendler <i>et al.</i> , "Schistosoma mansoni: Isolation and Characterization of Smpi56, a Novel Serine Protease Inhibitor", <i>Exp. Parasitol.</i> , <u>78</u> :121-131 (1994)
	HG	Gilbert <i>et al.</i> , "Useful Proteins from Recombinant Bacteria", <i>Scientific American</i> , <u>242</u> :79-94 (1980)
	HI	Glaser <i>et al.</i> , "Antibody Engineering by Condon-Based Mutagenesis in a Filamentous Phage Vector System", <i>J. Immunol.</i> , <u>149</u> (12):3903-3913 (1992)
	II	Goldmacher <i>et al.</i> , "Photoactivation of "Toxin Conjugates", <i>Bioconj. Chem.</i> , <u>3</u> :104-107 (1992)
<i>WLM</i>	HJ	Goldspiel <i>et al.</i> , "Human gene therapy", <i>Clinical Frontiers, Clinical Pharmacy</i> , <u>12</u> :488-505 (1993)

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WMM	HK	Gonzalez <i>et al.</i> , "Voltage Sensing by Fluorescence Resonance Energy Transfer in Single Cells", <i>Biophys. J.</i> , <u>69</u> :1272-1280 (1995)
↑	HL	Gram <i>et al.</i> , "In vitro selection and affinity maturation of antibodies from a naive combinatorial immunoglobulin library", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> :3576-3580 (1992)
	HM	Grosschedl <i>et al.</i> , "Introduction of a μ Immunoglobulin Gene into the Mouse Germ Line: Specific Expression in Lymphoid Cells and Synthesis of Functional Antibody", <i>Cell</i> , <u>38</u> :647-658 (1984)
	HN	Grossman <i>et al.</i> , "Retroviruses: delivery vehicle to the liver", <i>Curr. Opin. in Genetics and Devel.</i> , <u>3</u> :110-114 (1993)
	HO	Grunstein <i>et al.</i> , "Colony hybridization: A method for the isolation of cloned DNAs that contain a specific gene", <i>Proc. Natl. Acad. Sci. USA</i> , <u>72</u> (10):3961-3965 (1975)
	HP	Hamdaoui <i>et al.</i> , "Purification of a Novel, Heat-Stable Serine Protease Inhibitor Protein from Ovaries of the Desert Locust, <i>Schistocerca gregaria</i> ", <i>Biochem. Biophys. Res. Commun.</i> , <u>238</u> :357-360 (1997)
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	HT	Hammond <i>et al.</i> , "An RNA-directed nuclease mediates post-transcriptional gene silencing in <i>Drosophila</i> cell", <i>Nature</i> , <u>404</u> :293-296 (2000)
	HU	Hammond <i>et al.</i> , "Post-Transcriptional Gene Silencing by Double-Stranded RNA", <i>Nature</i> , <u>2</u> :110-119 (2001)
	HV	Han <i>et al.</i> , "Liquid-Phase Combinatorial Synthesis", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> :6419-6423 (1995)
	HW	Hanahan, D., "Heritable formation of pancreatic β -cell tumours in transgenic mice expressing recombinant insulin/simian virus 40 oncogenes", <i>Nature</i> , <u>315</u> :115-122 (1985)
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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24745-1613	SERIAL NO. 10/099,700
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT MADISON et al.	
	FILING DATE March 13, 2002	GROUP 1645 1652

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	HZ	Herrera-Estrella <i>et al.</i> , "Expression of chimeric genes transferred into plant cells using a Ti-plasmid-derived vector", <i>Nature</i> , 303:209-213 (1984)
	IA	Herrera-Estrella <i>et al.</i> , "Light-inducible and chloroplast-associated expression of a chimeric gene introduced into <i>Nicotiana tabacum</i> using a Ti plasmid vector", <i>Nature</i> , 310:115-120 (1984)
	IB	Hervio <i>et al.</i> , "Negative selectivity and the evolution of protease cascades: the specificity of plasmin for peptide and protein substrates", <i>Chem. Biol.</i> , 7(6):443-452 (2000)
	IC	Hesse <i>et al.</i> , "Effects of the Serine Protease Inhibitor Gabexate Mesilate on Purified Pancreatic Phospholipase A ₂ ", <i>Pharmacol. Res. Commun.</i> , 16(7):637-645 (1984)
	ID	Hill <i>et al.</i> , "A new intracellular serine protease inhibitor expressed in the rat pituitary gland complexes with granzyme B", <i>FEBS Lett.</i> , 440:361-364 (1998)
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	IF	Holmes, "Primary Structure of Human α_2 -Antiplasmin, a serine Protease Inhibitor (Serpine)", <i>J. Biol. Chem.</i> , 262(4):1659-1664 (1987)
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	II	Hooper <i>et al.</i> , "Type II Transmembrane Serine Proteases", <i>J. Biol. Chem.</i> , 276:857-860 (2001)
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	IK	Houghten <i>et al.</i> , "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery", <i>Nature</i> , 354:84-86 (1991)

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	IN	Houghten, <i>et al.</i> , "The Use Of Synthetic Peptide Combinatorial Libraries For The Determination Of Peptide Ligands In Radio-Receptor Assays-Opioid-Peptides", <i>Bioorg. Med. Chem. Lett.</i> , <u>3(3)</u> :405-412 (1993)
	IO	Hruby <i>et al.</i> , "Emerging approaches in the molecular design of receptor-selective peptide ligands: conformational, topographical and dynamic considerations", <i>Biochem J.</i> , <u>268</u> :249-262 (1990)
	IP	Huang, <i>et al.</i> , "Discovery of new ligand binding pathways in myoglobin by random mutagenesis", <i>Nature Struct. Biol.</i> , <u>1(4)</u> :226-229 (1994)
	IQ	Huang <i>et al.</i> , "Serine protease inhibitor TPCK prevents Taxol-induced cell death and blocks c-Raf-1 and Bcl-2 phosphorylation in human breast carcinoma cells", <i>Oncogene</i> , <u>18</u> :3431-3439 (1999)
	IR	Hunkapiller <i>et al.</i> , "A microchemical facility for the analysis and synthesis of genes and proteins", <i>Nature</i> , <u>310</u> :105-111 (1984)
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	IU	Hutchison <i>et al.</i> , "Mutagenesis at a Specific Position in a DNA Sequence", <i>J Biol Chem</i> , <u>253(18)</u> :6551-6560 (1978)
	IV	Iijima <i>et al.</i> , "Stage-Specific Inhibition of <i>Xenopus</i> Embryogenesis by Aprotinin, a Serine Protease Inhibitor", <i>J. Biochem. (Tokyo)</i> , <u>126</u> :912-916 (1999)
	IW	Inoue <i>et al.</i> , "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", <i>FEBS Lett.</i> <u>215(2)</u> :327-330 (1987)
WWM	IX	Inoue <i>et al.</i> , "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", <i>Nucl. Acids Res.</i> <u>15(15)</u> :6131-6148 (1987)

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↑	IZ	Jacquinet <i>et al.</i> "Cloning, genomic organization, chromosomal assignment and expression of a novel mosaic serine proteinase: epitheliasin", <i>FEBS Lett.</i> , <u>468</u> :93-100 (2000)
	JA	Jameson <i>et al.</i> , "Fluorescence Anisotropy Applied to Biomolecular Interactions", <i>Methods Enzymol.</i> , <u>246</u> :283-300 (1995)
	JB	Janda, K.D., "New Strategies for the Design of Catalytic Antibodies", <i>Biotechnol. Prog.</i> , <u>6</u> :178-181 (1990)
	JC	Jankun <i>et al.</i> , "Inhibitors of Urokinase Reduce Size of Prostate Cancer Xenografts in Severe Combined Immunodeficient Mice", <i>Canc. Res.</i> , <u>57</u> :559-563 (1997)
	JD	Jessop <i>et al.</i> , "Effects of Serine Protease Inhibitor, Tame, on IL-1 β in LPS-Stimulated Human Monocytes: Relationship Between Synthesis and Release of a 33-kDa Precursor and the 17-kDa Biologically Active Species", <i>Inflammation</i> , <u>17(5)</u> :613-631 (1993)
	JE	Jolley, "Fluorescence Polarization Assays for the Detection of Proteases and Their Inhibitors", <i>J. Biomol. Screening</i> , <u>1(1)</u> :33-38 (1996)
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	JI	Kang <i>et al.</i> , "Antibody redesign by chain shuffling from random combinatorial immunoglobulin libraries", <i>Proc. Natl. Acad. Sci. USA</i> , <u>88</u> :11120-11123 (1991)
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JAN 03 2003	JK	Kay <i>et al.</i> , "An M13 phage library displaying random 38-amino-acid-peptides as a source of novel sequences with affinity to selected targets genes, <i>Gene</i> , <u>128</u> :59-65 (1993)
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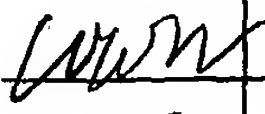


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	JN	Ke et al., "Identification of a Hydrophobic Exosite on Tissue Type Plasminogen Activator That Modulates Specificity for Plasminogen", <i>J. Biol. Chem.</i> , <u>272</u> (3):1811-1816 (1997)
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	JP	Kelsey et al., "Species- and tissue-specific expression of human α_1 -antitrypsin in transgenic mice", <i>Genes and Devel.</i> , <u>1</u> :161-171 (1987)
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	JS	Kiem et al., "Retrovirus-Mediated Gene Transduction Into Canine Peripheral Blood Repopulating Cells", <i>Blood</i> , <u>83</u> (6):1467-1473 (1994)
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	JX	Kleine et al., "Lipopeptide-Polyoxyethylene Conjugates as Mitogens and Adjuvants", <i>Immunobiol.</i> , <u>190</u> :53-66 (1994)
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<i>W/m</i>	JZ	Kodo <i>et al.</i> , "Antibody Synthesis by Bone Marrow Cells In Vitro following Primary and Booster Tetanus Toxoid Immunization in Humans", <i>J. Clin. Invest.</i> , <u>73</u> :1377-1384 (1984)
<i>W/m</i>	KA	Köhler <i>et al.</i> , "Continuous cultures of fused cells secreting antibody of predefined specificity", <i>Nature</i> , <u>526</u> :495-497 (1975)
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	KE	Kozarsky <i>et al.</i> , "Gene therapy: adenovirus vectors", <i>Genetics and Development</i> , <u>3</u> :499-503 (1993)
	KF	Kozbor <i>et al.</i> , "The production of monoclonal antibodies from human lymphocytes", <i>Immunology Today</i> <u>4</u> (3):72-79 (1983)
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	KH	Ladurner <i>et al.</i> , "Glutamine, Alanine or Glycine Repeats Inserted into the Loop of a Protein Have Minimal Effects on Stability and Folding Rate", <i>J. Mol. Biol.</i> , <u>273</u> :330-337 (1997)
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	KJ	Lam <i>et al.</i> , A new type of synthetic peptide library for identifying ligand-binding activity, <i>Nature</i> , <u>354</u> :82-84 (1991); (published errata appear in <i>Nature</i> , <u>358</u> :434 (1992) and <i>Nature</i> , <u>360</u> :768 (1992)
	KK	Lebl <i>et al.</i> , "One Bead One Structure Combinatorial Libraries", <i>Biopolymerse (Pept. Sci.)</i> , <u>37</u> :177-198 (1995)
	KL	Le Cam <i>et al.</i> , "Growth Hormone-Mediated Transcriptional Activation of the Rat Serine Protease Inhibitor 2.1 Gene Involves Both Interleukin-1 β -Sensitive and -Insensitive Pathways", <i>Biochem. Biophys. Res. Commun.</i> , <u>253</u> (2):311-314 (1998)
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	KS	Li <i>et al.</i> , "Minimization of a Polypeptide Hormone", <i>Science</i> , <u>270</u> :1657-1660 (1995)
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	KW	Lindmark <i>et al.</i> , "Pulmonary Function in Middle-aged Women with Heterozygous Deficiency of the Serine Protease Inhibitor Alpha-antichymotrypsin", <i>Am. Rev. Respir. Dis.</i> , <u>141</u> :884-888 (1990)
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	APPLICANT MADISON et al.	
	FILING DATE March 13, 2002	GROUP 1645/1652

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W/W	LA	Loeffler <i>et al.</i> , "Gene Transfer into Primary and Established Mammalian Cell Lines with Lipopolyamine-Coated DNA", <i>Meth. Enzymol.</i> , <u>217</u> :599-618 (1993)
↑	LB	Loh <i>et al.</i> , "Night Functional Dependency Index", <i>JAGS</i> , <u>49</u> :1395-1396 (2001)
	LC	Lundqvist <i>et al.</i> , Original Research Papers, "The serine protease inhibitor diisopropylfluorophosphate inhibits neutrophil NADPH-oxidase activity induced by the calcium ionophore ionomycin and serum opsonised yeast particles", <i>Inflamm. Res.</i> , <u>44(12)</u> :510-517 (1995)
	LD	Luthman <i>et al.</i> , "Peptides and Peptidomimetics", Book: <u>A Textbook of Drug Design and Development</u> , 2nd Ed., Harwood Academic Publishers, <u>14</u> :386-406 (1996)
	LE	Lynch <i>et al.</i> , "A Fluorescence Polarization Based Src-SH2 Binding Assay", <i>Anal. Biochem.</i> , <u>247</u> :77-82 (1997)
	LF	Maake <i>et al.</i> , "The Growth Hormone Dependent Serine Protease Inhibitor, Spi 2.1 Inhibits the Des (1-3) Insulin-Like Growth Factor-I Generating Protease", <i>Endocrinology</i> , <u>138(12)</u> :5630-5636 (1997)
	LG	MacDonald, R.J., "Expression of the Pancreatic Elastase I Gene in Transgenic Mice", <i>Hepatol.</i> , Suppl. <u>7(1)</u> :42S-51S (1987)
	LH	Madison E.L., "Substrate Specificity of Tissue Type Plasminogen Activator", <i>Adv. Exp. Med. Biol.</i> , <u>425</u> :109-121 (1997)
	LI	Madison <i>et al.</i> , "Substrate Specificity of Tissue Type Plasminogen Activator. Characterization Of The Fibrin Independent Specificity Of t-PA For Plasminogen", <i>J. Biol. Chem.</i> , <u>270(13)</u> :7558-7562 (1995)
	LJ	Madison E.L., "Studies of Serpins Unfold at a Feverish Pace", <i>J. Clin. Invest.</i> , <u>94(6)</u> :2174-2175 (1994)
	LK	Madison <i>et al.</i> , "Converting Tissue Plasminogen Activator to a Zymogen: A Regulatory Triad of ASP-His-Ser", <i>Science</i> , <u>262(5132)</u> :419-421 (1993)
	LL	Madison, E.L., "Probing Structure/Function Relationships of Tissue-type Plasminogen Activator by Site Specific Mutagenesis", <i>Fibrinolysis</i> , <u>81(Suppl. 1)</u> :221-236 (1994)
	LM	Madison <i>et al.</i> , "Probing Structure-Function Relationships of Tissue-Type Plasminogen Activator by Oligonucleotide-Mediated Site-Specific Mutagenesis", <i>Methods Enzymol.</i> , <u>223</u> :249-271 (1993)
W/W	LN	Madison <i>et al.</i> , "A vector, pSHT, for the expression and secretion of protein domains in mammalian cells", <i>Gene</i> , <u>121(1)</u> :179-180 (1992)

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EXAMINER <u>William W. Moore</u>	DATE CONSIDERED <u>29 October 2003</u>
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<i>WMM</i>	LO	Madison et al., "Restoration of Serine Protease-Inhibitor Interaction by Protein Engineering", <i>J. Biol. Chem.</i> , <u>265</u> (35):21423-21426 (1990)
	LP	Madison et al., "Amino acid residues that affect interaction of tissue-type plasminogen activator with plasminogen activator inhibitor 1", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> (9):3530-3533 (1990)
	LQ	Madison et al., "Serpine-resistant mutants of human tissue type plasminogen activator", <i>Nature</i> , <u>339</u> (6227):721-724 (1989)
	LR	Magram et al., "Developmental regulation of a cloned adult β -globin gene in transgenic mice", <i>Nature</i> , <u>315</u> :338-340 (1985)
	LS	Marks et al., "By-Passing Immunization. Human Antibodies from V-Gene Libraries Displayed on Phage", <i>J. Mol. Biol.</i> , <u>222</u> :581-597 (1991)
	LT	Marlor et al., "Identification and Cloning of Human Placental Bikunin, a Novel Serine Protease Inhibitor Containing Two Kunitz Domains", <i>J. Biol. Chem.</i> , <u>272</u> (18):12202-12208 (1997)
	LU	Mason et al., "The Hypogonadal Mouse, Reproductive Functions Restored by Gene Therapy", <i>Science</i> <u>234</u> :1372-1378 (1986)
	LV	Mastrangeli et al., "Diversity of Airway Epithelial Cell Targets for In Vivo Recombinant Adenovirus-mediated Gene Transfer", <i>J. Clin. Invest.</i> <u>91</u> :225-234 (1993)
	LW	Matrisian et al., "Stromelysin/transin and tumor progression", <i>Cancer Biol.</i> , <u>1</u> :107-115 (1990)
	LX	Matsushima et al., "Structural Characterization of Porcine Enteropeptidase", <i>J. Biol. Chem.</i> , <u>269</u> (31):19976-19982 (1994)
<i>WMM</i>	LY	Matthews et al., "Substrate Phage: Selection of Protease Substrates by Monovalent Phage Display", <i>Science</i> , <u>260</u> :1113-1117 (1993)
	LZ	McCafferty et al., "Phage Enzymes: Expression and Affinity Chromatography of Functional Alkaline Phosphatase on the Surface of Bacteriophage", <i>Protein Eng.</i> , <u>4</u> (8):955-961 (1991)
	MA	McDonald, "Thrombopoietin. Its Biology, clinical Aspects, and Possibilities", <i>Am. J. of Pediatric Hematology/Oncology</i> , <u>14</u> (1):8-21 (1992)
	MB	Mc Donnell et al., "Stromelysin in tumor progression and metastasis", <i>Cancer and Metastasis Reviews</i> , <u>9</u> :305-319 (1990)

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<i>WMM</i>	MC	McPhalen <i>et al.</i> , "Preliminary Crystallographic Data for the Serine Protease Inhibitor CI-2 from Barley Seeds", <i>J. Mol. Biol.</i> , <u>168</u> :445-447 (1983)
↑	MD	Mellgren <i>et al.</i> , "The Influence of a Serine Protease Inhibitor, Nafamostat Mesilate, on Plasma Coagulation, and Platelet Activation during Experimental Extracorporeal Life Support (ECLS)", <i>Thromb. Haemost.</i> , <u>79</u> :342-347 (1998)
	ME	Menger <i>et al.</i> , "Phosphatase Catalysis Developed Via Combinatorial Organic Chemistry", <i>J. Org. Chem.</i> , <u>60</u> :6666-6667 (1995)
	MF	Merrifield, R.B., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", <i>J. Am. Chem. Soc.</i> , <u>85</u> :2149-2154 (1963)
	MG	Merrifield, R.B., "Solid Phase Peptide Synthesis. III. An Improved Synthesis of Bradykinin", <i>Biochemistry</i> , <u>3</u> (9):1385-1390 (1964)
	MH	Miller <i>et al.</i> , "Use of Retroviral Vectors for Gene Transfer and Expression", <i>Meth. Enzymol.</i> <u>217</u> :581-599 (1993)
	MI	Min <i>et al.</i> , "Urokinase Receptor Antagonists Inhibit Angiogenesis and Primary Tumor Growth in Syngeneic Mice", <i>Canc. Res.</i> , <u>56</u> :2428-2433 (1996)
	MJ	Mitchell <i>et al.</i> , "Preparation of Aminomethyl-Polystyrene Resin By Direct Amidomethylation", <i>Tetrahedron Lett.</i> , <u>42</u> :3795-3798 (1976)
	MK	Mitchell <i>et al.</i> , "A New Synthetic Route to <i>tert</i> -Butyloxycarbonylaminoacyl-4-(oxymethyl)phenylacetamidomethyl-resin, an Improved Support for solid-Phase Peptide Synthesis", <i>J. Org. Chem.</i> , <u>43</u> (14):2845-2852 (1978)
	ML	Modha <i>et al.</i> , "An association between schistosomes and contrapsin, a mouse serine protease inhibitor (serpin)", <i>Parasitology</i> , <u>96</u> :99-109 (1988)
	MM	Monfardini <i>et al.</i> , "A Branched Monomethoxypoly(ethylene glycol) for Protein Modification", <i>Bioconjugate Chem.</i> , <u>6</u> (1):62-69 (1995)
	MN	Morgan <i>et al.</i> , "Human Gene Therapy", <i>Annu. Rev. Biochem.</i> , <u>62</u> :191-217 (1993)
	MO	Morgan <i>et al.</i> , "Approaches to the Discovery of Non-Peptide Ligands for Peptide receptors and Peptidases", Book: <i>Annu. Rep. Med. Chem.</i> , Chapter 26, Section VI, <u>24</u> :243-252 (1989)
<i>WMM</i>	MP	Morrison <i>et al.</i> , "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", <i>Proc. Natl. Acad. Sci. USA</i> , <u>81</u> :6851-6855 (1984)

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Column ↑ TECH CENTER 1600/2900 JAN 09 2003 RECEIVED ↓ WLM	MQ	Mosbach, K., "Introduction", <i>Methods in Enzymol.</i> , 44:3-7 (1976)
	MR	Mosbach et al., "Immobilization Techniques", Section II, <i>Methods in Enzymol.</i> , 44:53-65 (1976)
	MS	Mosbach et al., "Multistep Enzyme Systems", Section VII, <i>Methods in Enzymol.</i> , 44:453-479 (1976)
	MT	Mosbach et al., "Immobilized Coenzymes", Section X, <i>Methods in Enzymol.</i> , 44:859-887 (1976)
	MU	Moser et al., "Bdellastasin, a serine protease inhibitor of the antistasin family from the medical leech (<i>Hirudo medicinalis</i>)", <i>Eur. J. Biochem.</i> , 253:212-220 (1998)
	MV	Mulligan, "The Basic Science of Gene Therapy", <i>Science</i> , 260:926-932 (1993)
	MW	Nakabo et al., "Lysis of leukemic cells by human macrophages: inhibition by 4-(2-aminoethyl)-benzenesulfonyl fluoride (AEBSF), a serine protease inhibitor", <i>J. Leukoc. Biol.</i> , 60:328-336 (1996)
	MX	NCBI Protein NP 004253
	MY	NCBI Nucleotide T30338
	MZ	NCBI Nucleotide U77054
	NA	NCBI Nucleotide U81291
	NB	NCBI Nucleotide AC012228
	NC	NCBI Nucleotide AF133086
	ND	NCBI Nucleotide AF042822
	NE	NCBI Nucleotide NM_016425
	NF	NCBI Nucleotide AF113596
	NG	NCBI Nucleotide U75329
	NH	NCBI Nucleotide X70900
	NI	NCBI Nucleotide M18930
	NJ	NCBI Nucleotide AF030065
	NK	NCBI Nucleotide AF118224

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WUM	NL	NCBI Nucleotide AB002134
WUM	NM	NCBI Nucleotide U09860
	NN	NCBI Nucleotide AB013874
	NO	NCBI Nucleotide AF133845
	NP	Neuberger <i>et al.</i> , "Recombinant antibodies possessing novel effector functions"; <i>Nature</i> , <u>312</u> :604-608 (1984)
	NQ	Newton <i>et al.</i> , "Angiogenin Single-Chain Immunofusions: Influence of Peptide Linkers and Spacers between Fusion Protein Domains", <i>Biochemistry</i> , <u>35</u> :545-553 (1996)
	NR	Nicolaou <i>et al.</i> , "Radiofrequency Encoded Combinatorial Chemistry", <i>Angew. Chem. Int. Ed. Engl.</i> , <u>34</u> (20):2289-2291 (1995)
	NS	Niimi <i>et al.</i> , "A <i>Drosophila</i> gene encoding multiple splice variants of Kazal-type serine protease inhibitor-like proteins with potential destinations of mitochondria, cytosol and the secretory pathway", <i>Eur. J. Biochem.</i> , <u>266</u> :282-292 (1999)
	NT	Nogady, "Pro-Drugs and Soft Drugs", Book: <u>Medicinal Chemistry A Biochemical Approach</u> , Oxford University Press, NY, pages 388-394 (1985)
	NU	Ohkoshi <i>et al.</i> , "Effects of Serine Protease Inhibitor FOY-305 and Heparin on the Growth of Squamous Cell Carcinoma", <i>Anticancer Res.</i> , <u>13</u> :963-966 (1993)
TECH CENTER 1600/2900		Oldenburg <i>et al.</i> , "Peptide Ligands for A Sugar-Binding Protein Isolated from a Random Peptide Library", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> :5393-5397 (1992)
RECEIVED		Ong <i>et al.</i> , "Biosynthesis of HNK-1 Glycans on O-Linked Oligosaccharides Attached to the Neural Cell Adhesion Molecule (NCAM)", <i>J Biochem</i> , <u>277</u> (20):18182-18190 (2002)
SEP 9 2003		O'Reilly, "The preclinical evaluation of angiogenesis inhibitors", <i>Investigational New Drugs</i> , <u>15</u> :5-13 (1997)
NY		Ornitz <i>et al.</i> , "Elastase I Promoter Directs Expression of Human Growth Hormone and SV40 T Antigen Genes to Pancreatic Acinar Cells in Transgenic Mice", <i>Cold Spring Harbor Symp. Quant. Biol.</i> <u>50</u> :399-409 (1986)
WUM	NZ	Orth <i>et al.</i> , "Complexes of tissue-type plasminogen activator and its serpin inhibitor plasminogen-activator inhibitor type 1 are internalized by means of the low density lipoprotein receptor-related protein/ α_2 -macroglobulin receptor", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> (16):7422-7426 (1992)

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WWM	OA	Ossowski, "In Vivo Invasion of Modified Chorioallantoic Membrane by Tumor Cells: the Role of Cell Surface-bound Urokinase", <i>J. Cell Biol.</i> , <u>107</u> (6, Pt. 1):2437-2445 (1988)
↑	OB	Osterwalder et al., "Neuroserpin, an axonally secreted serine protease inhibitor", <i>EMBO J.</i> , <u>15</u> (12):2944-2953 (1996)
	OC	Padwa et al., "Photoelimination of a β -Keto Sulfide with a Low-Lying $\pi - \pi$ Triplet State", <i>J. Org. Chem.</i> , <u>36</u> (23):3550-2552 (1971)
	OD	Palencia et al., "Determination of Activable Proacrosin/Acrosin in Bovine Sperm Using an Irreversible Isocoumarin Serine Protease Inhibitor", <i>Biol. Reprod.</i> , <u>55</u> :536-542 (1996)
	OE	Paoloni-Giacobino, "Cloning the TMPRSS2 Gene, Which Encodes a Novel Serine Protease with Transmembrane, LDLRA, and SRCR Domains and Maps to 21q22.3", et al., <i>Genomics</i> , <u>44</u> :309-320 (1997)
	OF	Parmley et al., "Antibody-Selectable Filamentous fd Phage Vectors: Affinity Purification of Target Genes", <i>Genes</i> , <u>73</u> :305-318 (1988)
	OG	Parodi et al., "Gabexate Mesilate, A New Synthetic Serine Protease Inhibitor: A Pilot Clinical Trial in Valvular Heart Surgery", <i>J. Cardiothorac. Vasc. Anesth.</i> , <u>10</u> (2):235-237 (1996)
	OH	Paul et al., "Characterization of three transcriptional repressor sites within the 3' untranslated region of the rat serine protease inhibitor 2.3 gene", <i>Eur. J. Biochem.</i> , <u>254</u> (3):538-546 (1998)
	OI	PIERCE Catalog, ImmunoTechnology Catalog & Handbook, 1992-1993
	OJ	Pinilla et al., "Review of the Utility of Soluble Combinatorial Libraries", <i>Biopolymers</i> , <u>37</u> :221-240 (1995)
	OK	Pinilla et al., "Synthetic peptide combinatorial libraries (SPCLs)--identification of the antigenic determinant of beta-endorphin recognized by monoclonal antibody-3E7", <i>Gene</i> , <u>128</u> :71-76 (1993)
	OL	Pinkert et al., "An albumin enhancer located 10 kb upstream functions along with its promoter to direct efficient, liver-specific expression in transgenic mice", <i>Genes & Development</i> , <u>1</u> :268-276 (1987)
WWM	OM	Pistor et al., "Expression of Viral Hemagglutinin On the Surface of <i>E. coli</i> .", <i>Klin. Wochenschr.</i> , <u>66</u> :110-116 (1988)

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WMM	ON	Pittelkow <i>et al.</i> , "New Techniques for the In Vitro Culture of Human Skin Keratinocytes and Perspectives on Their Use for Grafting of Patients With Extensive Burns", <i>Mayo Clinic Proc.</i> , <u>61</u> :771-777 (1986)
↑	OO	Pollack <i>et al.</i> , "Selective Chemical Catalysis by an Antibody", <i>Science</i> , <u>234</u> :1570-1573 (1986)
	OP	Powers <i>et al.</i> , "Protein Purification by Affinity Binding to Unilamellar Vesicles", <i>Biotechnol. Bioengineering</i> , <u>33</u> :173-182 (1989)
	OQ	Press Release: Corvas Company, "Corvas Advances Anti-Cancer Drug Discovery Program on a New Family Of Membrane-Bound Serine Proteases", Feb 7, 2002
	OR	Press Release: Corvas Company, "Corvas International to Present at CIBC World Markets Health Care Conference", Nov 1, 2001
	OS	Press Release: Corvas Company, "Corvas International to Present at Salomon Smith Barney 2001 Health Care Conference", Oct 25, 2001
	OT	Press Release: Corvas Company, "Corvas International to Present at Techvest's 3rd Annual Healthcare Conference", Oct 18, 2001
	OU	Press Release: Corvas Company, "Corvas and Dyax Collaborate on Serine Protease Inhibitors; New Approach to Treat Cancer", Sep 20, 2001
	OV	Press Release: Corvas Company, "Corvas Presents 3-D Molecular Structure of Matriptase, First Structural Insight Into New Class of Protease Cancer Targets", Aug 27, 2001
	OW	Press Release: Corvas Company, "Corvas International to Present at UBS Warburg Global Life Sciences Conference", Oct 3, 2001
	OX	Press Release: Corvas Company, "Corvas International to Present at the 9th Annual Investing in Biotechnology Conference in London", Jul 6, 2001
	OY	Press Release: Corvas Company, "Corvas International to Present at BIO 2001", Jun 22, 2001
	OZ	Press Release: Corvas Company, "Corvas International to Present at Wells Fargo Van Kasper Growth Stock Conference", Jun 14, 2001
WMM	PA	Press Release: Corvas Company, "Abgenix and Corvas Form Collaboration to Develop Therapeutic Antibodies Against Cancer", May 14, 2002

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<i>lmm</i>	PB	Rabbani <i>et al.</i> , "Prevention of Prostate-cancer Metastasis <i>In Vivo</i> by a Novel Synthetic Inhibitor of Urokinase-type Plasminogen Activator (uPA)", <i>Int. J. Cancer</i> , <u>63</u> :840-845 (1995)
<i>lmm</i>	PC	Rao <i>et al.</i> , "Extracellular Matrix-Associated Serine Protease Inhibitors (M, 33,000, and 27, 2000) Are Single-Gene Products with Differential Glycosylation: cDNA Cloning of the 33-kDa Inhibitor Reveals Its Identity to Tissue Factor Pathway Inhibitor-2", <i>Arch. Biochem. Biophys.</i> , <u>335</u> (1):82-92 (1996)
	PD	Rao <i>et al.</i> , "HT-1080 Fibrosarcoma Cell Matrix Degradation and Invasion are Inhibited by the Matrix-Associated Serine Protease Inhibitor TFPI-2/33 kDa MSPI", <i>Int. J. Cancer</i> , <u>76</u> :749-756 (1998)
	PE	Ravichandran <i>et al.</i> , "Cryocrystallography of a Kunitz-type serine protease inhibitor: the 90 K structure of winged bean chymotrypsin inhibitor (WCI) at 2.13 Å resolution", <i>Acta Cryst.</i> , <u>D55</u> :1814-1821 (1999)
	PF	Readhead <i>et al.</i> , "Expression of a Myelin Basic Protein Gene in Transgenic Shiverer Mice: Correction of the Dysmyelinating Phenotype", <i>Cell</i> , <u>48</u> :703-712 (1987)
	PG	Rheinwald, "Serial Cultivation of Normal Human Epidermal Keratinocytes", Chapter 15, <i>Meth. Cell Biol.</i> , Volume 21, <u>21A</u> :229-254 (1980)
	PH	Rigler <i>et al.</i> , "Fluorescence Correlations, Single Molecule Detection and Large Number Screening: Applications in Biotechnology", <i>J. Biotechnol.</i> , <u>41</u> :177-186 (1995)
	PI	Rizo <i>et al.</i> , "Constrained Peptides: Models of Bioactive Peptides and Protein Substructures", <i>An. Rev. Biochem.</i> , <u>61</u> :387-418 (1992)
	PJ	Roberts <i>et al.</i> , "Unusual Amino/Acids in Peptide Synthesis", <i>The Peptides. Analysis, Synthesis, Biology</i> , Chapter 6, <u>5</u> :341-449 (1983)
<i>lmm</i>	PK	Robinson, "Gene therapy - proceeding from laboratory to clinic", <i>TIBTECH</i> , <u>11</u> (5):155-215 (1993)
	PL	Roch <i>et al.</i> , "Characterization of a 14 kDa Plant-related Serine Protease Inhibitor and Regulation of Cytotoxic Activity in Earthworm Coelomic Fluid", <i>Dev. Comp. Immunol.</i> , <u>22</u> (1):1-12 (1998)
	PM	Rosenfeld <i>et al.</i> , "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium", <i>Cell</i> , <u>68</u> :143-155 (1992)
<i>lmm</i>	PN	Rosenfeld <i>et al.</i> , "Adenovirus-mediated Transfer of a Recombinant α 1-Antitrypsin Gene to the Lung Epithelium in Vivo", <i>Science</i> , <u>252</u> :431-434 (1991)

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT MADISON et al.	
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WWM	PO	Rusbridge <i>et al.</i> , "3,4-Dichloroisocoumarin, a serine protease inhibitor, inactivates glycogen phosphorylase b", <i>FEBS Lett.</i> , <u>268</u> (1):133-136 (1990)
↑	PP	Ryo <i>et al.</i> , "Treatment of Post-Transfusion Graft-versus-Host Disease with Nafmostat Mesilate, a Serine Protease Inhibitor", <i>Vox Sang.</i> , <u>76</u> :241-246 (1999)
	PQ	Salmons <i>et al.</i> , "Targeting of Retroviral Vectors for Gene Therapy", <i>Human Gene Therapy</i> , <u>4</u> :129-141 (1993)
	PR	Sambrook <i>et al.</i> , "Molecular Cloning", <i>A Laboratory Manual</i> , 2d Ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York (1989), volume 3, p. B12-B14
	PS	Sarin <i>et al.</i> , "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", <i>Proc. Natl. Acad. Sci. USA</i> <u>85</u> :7448-7451 (1988)
	PT	Sarver <i>et al.</i> , "Ribozymes as Potential Anti-HIV-1 Therapeutic Agents", <i>Science</i> , <u>247</u> :1222-1225 (1990)
	PU	Sarvetnick <i>et al.</i> , "Increasing the Chemical Potential of the Germ-Line Antibody Repertoire", <i>Proc. Natl. Acad. Sci. USA</i> , <u>90</u> :4008-4011 (1993)
	PV	Sastry <i>et al.</i> , "Cloning of the immunological repertoire in <i>Escherichia coli</i> for generation of monoclonal catalytic antibodies: Construction of a heavy chain variable region-specific cDNA library", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :5728-5732 (1989)
	PW	Sawada <i>et al.</i> , "Prevention of Neointimal Formation by a Serine Protease Inhibitor, FUT-175, After Carotid Balloon Injury in Rats", <i>Stroke</i> , <u>30</u> (3):644-650 (1999)
	PX	Scalia <i>et al.</i> , "Beneficial Effects of LEX032, A Novel Recombinant Serine Protease Inhibitor, in Murine Traumatic Shock", <i>Shock</i> , <u>4</u> (4):251-256 (1995)
	PY	Schultz, <i>et al.</i> , "The Combinatorial Library: A Multifunctional Resource", <i>Biotechnol. Prog.</i> , <u>12</u> (6):729-743 (1996)
	PZ	Scott <i>et al.</i> , "Searching for Peptide Ligands with an Epitope Library", <i>Science</i> , <u>249</u> :386-390 (1990)
	QA	Scott <i>et al.</i> , "Random peptide libraries", <i>Curr. Opin. Biotechnol.</i> , <u>5</u> :40-48 (1994)
WWM	QB	Scuderi, "Suppression of Human Leukocyte Tumor Necrosis Factor Secretion by the Serine Protease Inhibitor p -Toluenesulfonyl-L-Arginine Methyl Ester (Tame)", <i>J. Immunol.</i> , <u>143</u> (1):168-173 (1989)

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WMM	QC	Sears et al., "Engineering Enzymes for Bioorganic Synthesis: Peptide Bond Formation", <i>Biotechnol. Prog.</i> , <u>12</u> :423-433 (1996)
↑	QD	Sekar et al., "Specificity of the Serine Protease Inhibitor, Phenylmethylsulfonyl Fluoride", <i>Biochem. Biophys. Res. Commun.</i> , <u>89</u> (2):474-478 (1979)
	QE	Senda et al., "Treatment of Ulcerative Colitis with Camostat Mesilate, A Serine Protease Inhibitor", <i>Intern. Med.</i> , <u>32</u> (4):350-354 (1993)
	QF	Senter et al., "Novel Photocleavable Protein Crosslinking Reagents and Their Use in the Preparation of Antibody-Toxin Conjugates", <i>Photochem. Photobiol.</i> , <u>42</u> (3):231-237 (1985)
	QG	Seto et al., "Central Effect of Aprotinin, a Serine Protease Inhibitor, on Blood Pressure in Spontaneously Hypertensive and Wistar-Kyoto Rats", <i>Adv. Exp. Med. Biol.</i> , <u>247B</u> :49-54 (1989)
	QH	Seto et al., "The Effect of Aprotinin (A Serine Protease Inhibitor) on Renal Function and Renin Release", <i>Hypertension</i> , <u>5</u> (6):893-899 (1983)
	QI	Shani, M., "Tissue-specific expression of rat myosin light-chain 2 gene in transgenic", <i>Nature</i> , <u>314</u> :283-286 (1985)
	QJ	Sharp, P.A., "RNA interference—2001", <i>Genes & Develop.</i> , <u>15</u> :485-490 (2001)
	QK	Shilo et al., "DNA sequences homologous to vertebrate oncogenes are conserved in <i>Drosophila melanogaster</i> ", <i>Proc. Natl. Acad. Sci.</i> , <u>78</u> (11):6789-6792 (1981)
	QL	Shimomura et al., "Hepatocyte Growth Factor Activator Inhibitor, a Novel Kunitz-type Serine Protease Inhibitor", <i>J. Biol. Chem.</i> , <u>272</u> (10):6370-6376 (1997)
	QM	Shiozaki et al., "Effect of FUT-187, Oral Serine Protease Inhibitor, on Inflammation in the Gastric Remnant", <i>Jpn. J. Cancer Chemother.</i> , <u>23</u> (14):1971-1979 (1996)
	QN	Shohet et al., "Inhibitor-Resistant Tissue-Type Plasminogen Activator: An Improved Thrombolytic Agent In Vitro", <i>Thromb. Haemost.</i> , <u>71</u> (1):124-128 (1994)
	QO	Silverman et al., "New assay technologies for high-throughput screening", <i>Curr. Opin. Chem. Biol.</i> , <u>2</u> (3):397-403 (1998)
	QP	Simar-Blanchet et al., "Regulation of expression of the rat serine protease inhibitor 2.3 gene by glucocorticoids and interleukin-6. A complex and unusual interplay between positive and negative <i>cis</i> -acting elements", <i>Eur. J. Biochem.</i> , <u>236</u> (2):638-648 (1996)

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LMM ↑	QQ	Simon et al., "Peptides: A modular approach to drug discovery", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> :9367-9371 (1992)
	QR	Sittampalam et al., "High-throughput screening: advances in assay technologies", <i>Curr. Opin. Chem. Biol.</i> , <u>1</u> :384-391 (1997)
	QS	Smith et al., "Protein Loop Grafting to Construct a Variant of Tissue-type Plasminogen Activator That Binds Platelet Integrin $\alpha IIb\beta 3$ ", <i>J. Biol. Chem.</i> , <u>270</u> (51):30486-30490 (1995)
	QT	Smith et al., "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase", <i>Gene</i> <u>67</u> :31-40 (1988)
	QU	Sonatore et al., "The Utility of FK506-Binding Protein as a Fusion Partner in Scintillation Proximity Assays: Application to SH2 Domains", <i>Anal. Biochem.</i> , <u>240</u> :289-297 (1996)
	QV	Spatola et al., Volume 7, Chapter 5, "Peptide Backbone Modifications: A Structure-Activity Analysis of Peptides Containing Amide Bond Surrogates Conformational Constraints, and Rela", in <i>Chemistry and Biochemistry of Amino Acids, Peptides and Proteins</i> , (Weinstein, Ed.), Marcel Dekkar, New York (1983)
	QW	Stack et al., "Tissue-Type Plasminogen Activator", <i>Molecular Basis of Thrombosis and Hemostasis</i> , pgs 479-494, Marcel Dekker, Inc., New York
	QX	Stankiewicz et al., "3' Noncoding sequences of the CTA 1 gene enhance expression of the recombinant serine protease inhibitor, CPTI II, in <i>Saccharomyces cerevisiae</i> ", <i>Acta Biochim. Pol.</i> , <u>43</u> (3):525-529 (1996)
	QY	Steele et al., "Pigment epithelium-derived factor: Neurotrophic activity and identification as a member of the serine protease inhibitor gene family", <i>Proc. Natl. Acad. Sci. USA</i> , <u>90</u> (4):1526-1530 (1993)
	QZ	Stein et al., "Physicochemical properties of phosphorothioate oligodeoxynucleotides", <i>Nucl. Acids Res.</i> <u>16</u> (8):3209-3221 (1988)
TECH CENTER JAN 29 2003 RECEIVED	RA	Stemple et al., "Isolation of a Stem Cell for Neurons and Glia from the Mammalian Neural Crest", <i>Cell</i> <u>71</u> :973-985 (1992)
	RB	Still, W.C, "Discovery of Sequence-Selective Peptide Binding by Synthetic Receptors Using Encoded Combinatorial Libraries", <i>Acc. Chem. Res.</i> , <u>29</u> :155-163 (1996)
	RC	Strandberg et al., "Variants of Tissue-type Plasminogen Activator with Substantially Enhanced Response and Selectivity toward Fibrin Co-factors", <i>J. Biol. Chem.</i> , <u>270</u> (40):23444-23449 (1995)

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Wm	RD	Sucholeiki, I., "Solid-Phase Photochemical C-S Bond Cleavage Of Thioethers-A New Approach To The Solid-Phase Production Of Non-Peptide Molecules", <i>Tetrahedron Ltrrs.</i> , 35:7307-7310 (1994)
↑	RE	Sullivan et al., "Development of a Scintillation Proximity Assay for Calcineurin Phosphatase Activity", <i>J. Biomol. Screening</i> , 2:19-23 (1997)
	RF	Swift et al., "Tissue-Specific Expression of the Rat Pancreatic Elastase I Gene in Transgenic Mice", <i>Cell</i> , 38:639-646 (1984)
	RG	Tachias et al., "Variants of Tissue-type Plasminogen Activator That Display Extraordinary Resistance to Inhibition by the Serpin Plasminogen Activator Inhibitor Type 1", <i>J. Biol. Chem.</i> , 272(23):14580-14585 (1997)
	RH	Tachias et al., "Converting Tissue-type Plasminogen Activator into a Zymogen. Important Role Of Lys156", <i>J. Biol. Chem.</i> , 272(1):28-31 (1997)
	RI	Tachias et al., "Converting Tissue-type Plasminogen Activator into a Zymogen", <i>J. Biol. Chem.</i> , 271(46):28749-28752 (1996)
	RJ	Tachias et al., "Variants of Tissue-type Plasminogen Activator Which Display Substantially Enhanced Stimulation by Fibrin", <i>J. Biol. Chem.</i> , 270(31):18319-18322 (1995)
	RK	Takeda et al., "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", <i>Nature</i> , 314:452-454 (1985)
	RL	Takeuchi et al., "Reverse biochemistry: Use of macromolecular protease inhibitors to dissect complex biological processes and identify a membrane-type serine protease in epithelial cancer and normal tissue", <i>Proc. Natl. Acad. Sci. USA</i> , 96:11054-11061 (1999)
	RM	Takeuchi et al., "Cellular Localization of Membrane-type Serine Protease 1 and Identification of Protease-activated Receptor-2 and Single-chain Urokinase-type Plasminogen Activator as Substrates", <i>J. Biol. Chem.</i> , 275(34):26333-26342 (2000)
	RN	Tanimoto et al., "Hepsin, a Cell Surface Serine Protease Identified in Hepatoma Cells, Is Overexpressed in Ovarian Cancer", <i>Cancer Res.</i> , 57:2884-2887 (1997)
	RO	Thompson et al., "Synthesis and Applications of Small Molecule Libraries", <i>Chem. Rev.</i> , 96:555-600 (1996)
Wm	RP	Tietze et al., "Domino reactions for library synthesis of small molecules in combinatorial chemistry", <i>Curr. Opin. Chem. Biol.</i> , 2(3):363-371 (1998)

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Wm	RQ	Tolstoshev, "Gene Therapy, Concepts, Current Trials and Future Directions", <i>Annu. Rev. Pharmacol. Toxicol.</i> , <u>32</u> :573-596 (1993)
↑	RR	Tomita et al., "A Novel Low-Density Lipoprotein Receptor-Related Protein with Type II Membrane Protein-Like Structure Is Abundant in Heart", <i>J. Biochem.</i> , <u>124</u> :784-789 (1998)
	RS	Tramontano et al., "Catalytic Antibodies", <i>Science</i> , <u>234</u> :1566-1569 (1986)
	RT	Treadwell et al., "Cartilage Synthesizes the Serine Protease Inhibitor PAI-1: Support for the Involvement of Serine Proteases in Cartilage Remodeling", <i>J. Orthop. Res.</i> , <u>9</u> (3):309-316 (1991)
	RU	Tsutsui et al., "Cross-linking of Proteins to DNA in Newly Synthesized Chromatin By Diisopropylfluorophosphate. A Serine Protease Inhibitor", <i>Biochem. Biophys. Res. Commun.</i> , <u>123</u> (1):271-277 (1984)
	RV	Tuschl, T., "RNA Interference and Small Interfering RNAs", <i>CHEMBIOCHEM</i> , <u>2</u> :239-245 (2001)
	RW	Tyle, P., "Iontophoretic Devices for Drug Delivery", <i>Pharmaceutical Res.</i> , <u>3</u> (6):318-326 (1986)
	RX	van der Krol et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences", <i>BioTech.</i> , <u>6</u> (10):958-976 (1988)
	RY	Veber et al., "The design of metabolically-stable peptide analogs", <i>TINS</i> , pages 392-396 (1985)
	RZ	Vedejs et al., "A Method for Mild Photochemical Oxidation Conversion of Phenacyl Sulfides into Carbonyl Compounds", <i>J. Org. Chem.</i> , <u>49</u> :573-575 (1984)
	SA	Villa-Komaroff et al., "A bacterial clone synthesizing proinsulin", <i>Proc. Natl. Acad. Sci. USA</i> , <u>75</u> (8):3727-3731 (1978)
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		Wagner et al., "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> (3):1441-1445 (1981)
		Wallrapp et al., "A Novel Transmembrane Serine Protease (TMPRSS3) Overexpressed in Pancreatic Cancer", <i>Cancer</i> , <u>60</u> :2602-2606 (2000)

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WWM	SE	Walsh <i>et al.</i> , "Gene Therapy for Human Hemoglobinopathies", <i>Proc. Soc. Exp. Biol. Med.</i> , 204:289-300 (1993)
↑	SF	Wang <i>et al.</i> , "Rapid Detection of the Two Common Mutations in Ashkenazi Jewish Patients with Mucopolidosis Type IV", <i>Genetic Testing</i> , 5(2):87-92 (2001)
	SG	Wang, S., "Solid Phase Synthesis of Protected Peptides via Photolytic Cleavage of the α -Methylphenacyl Ester Anchoring Linkage", <i>J. Org. Chem.</i> , 41(20):3258-3261 (1976)
	SH	Warren <i>et al.</i> , "Spi-1: an hepatic serine protease inhibitor regulated by GH and other hormones", <i>Mol. Cell Endocrinol.</i> , 98(1):27-32 (1993)
	SI	Watson <i>et al.</i> , "The Fine Structure of Bacterial and Phage Genes", Book: <u>Molecular Biology of the Gene</u> , 4th Ed., The Benjamin/Cummings Pub. Co., 1:224 (1987)
	SJ	Weaner <i>et al.</i> , "Tritium Labeling Of N-Protected Amino Acids and Peptides Containing O-Alkyl-Tyrosyl Residues", Paper 22, <u>Synthesis and Applications of Isotopically Labelled Compounds</u> , Allen J., Ed., pp. 137-140 (1994)
	SK	Webber <i>et al.</i> , "Prostate-specific Antigen, a Serine Protease, Facilitates Human Prostate Cancer Cell Invasion", <i>Clin. Cancer Res.</i> , 1:1089-1094 (1995)
	SL	Wellhöner <i>et al.</i> , "Uptake and Concentration of Bioactive Macromolecules by K562 Cells via the Transferrin Cycle Utilizing an Acid-labile Transferrin", <i>J. Biol. Chem.</i> , 266(7):4309-4314 (1991)
	SM	Werner <i>et al.</i> , "Identification of a Protein-binding Surface by Differential Admide Hydrogen-exchange Measurements", <i>J. Mol. Biol.</i> , 225:873-889 (1992)
	SN	Whitlock <i>et al.</i> , "Long-term culture of B lymphocytes and their precursors from murine bone marrow", <i>Proc. Natl. Acad. Sci. USA</i> , 79:3608-3612 (1982)
	SO	Whitlow <i>et al.</i> , "An improved linker for single-chain Fv with reduced aggregation and enhanced proteolytic stability", <i>Protein Engineering</i> , 6(8):989-995 (1993)
	SP	Woodard <i>et al.</i> , "Chymase-Directed Serine Protease Inhibitor That Reacts with a Single 30-kDa Granzyme and Blocks NK-Mediated Cytotoxicity", <i>J. Immunol.</i> , 153:5016-5025 (1994)
	SQ	Wong, S.S., Book: Chapter 12, "Conjugation of Proteins to Solid Matrices", <u>Chemistry of Protein Conjugation and Cross Linking</u> , CRC Press, Inc., pp. 295-317 (1993)
	SR	Wrighton <i>et al.</i> , "Small Peptides as Potent Mimetics of the Protein Hormone Erythropoietin", <i>Science</i> , 273:458-463 (1996)

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Wu	SS	Wu et al., "Delivery systems for gene therapy", <i>Biotherapy</i> , 3:87-95 (1991)
↑	ST	Wu et al., "Receptor-mediated <i>in Vitro</i> Gene Transformation by a Soluble DNA Carrier System", <i>J. Biol. Chem.</i> , 262(1):4429-4432 (1987)
	SU	Xing et al., "Prevention of Breast Cancer Growth, Invasion, and Metastasis by Antiestrogen Tamoxifen Alone or in Combination with Urokinase Inhibitor B-428", <i>Canc. Res.</i> , 57:3585-3593 (1997)
	SV	Xu et al., "The Crystal Structure of Bikunin from the Inter- α -Inhibitor Complex: A Serine Protease Inhibitor with Two Kunitz Domains", <i>J. Mol. Biol.</i> , 276(5):955-966 (1998)
	SW	Yahagi et al., "Complementary DNA Cloning and Sequencing of Rat Enteropeptidase and Tissue Distribution of Its mRNA", <i>Biochem. Biophys. Res. Commun.</i> , 219:806-812 (1996)
	SX	Yamamoto et al., "Identification of a Functional Promoter in the Long Terminal Repeat of Rous Sarcoma Virus", <i>Cell</i> , 22:787-797 (1980)
	SY	Yamaoka et al., "Cloning and Characterization of the cDNA for Human Airway Trypsin-like Protease", <i>J. Biol. Chem.</i> , 273(19):11895-11901 (1998)
	SZ	Yamauchi et al., "Anti-Carcinogenic Effects of a Serine Protease Inhibitor (FOY-305) through the Suppression of Neutral Serine Protease Activity During chemical Hepatocarcinogenesis in Rats", <i>Hiroshima J. Med. Sci.</i> , 36(1):81-87 (1987)
	TA	Yan et al., "Corin, a Mosaic Transmembrane Serine Protease Encoded by a Novel cDNA from Human Heart", <i>J. Biol. Chem.</i> , 274(21):14926-14935 (1999)
	TB	Yan et al., "Corin, a transmembrane cardiac serine protease, acts as a pro-atrial natriuretic peptide-converting enzyme", <i>PNAS</i> , 97(15):8525-8529 (2000)
	TC	Yanamoto et al., "Preventive Effect of Synthetic Serine Protease Inhibitor, FUT-175, on Cerebral Vasospasm in Rabbits", <i>Neurosurgery</i> , 30(3):351-357 (1992)
	TD	Yanamoto et al., "Therapeutic Trial of Cerebral Vasospasm with the Serine Protease Inhibitor, FUT-175, Administered in the Acute Stage after Subarachnoid Hemorrhage", <i>Neurosurgery</i> , 30(3):358-363 (1992)
	TE	Yang et al., "Ecotin: A Serine Protease Inhibitor with Two Distinct and Interacting Binding Sites", <i>J. Mol. Biol.</i> , 279:945-957 (1998)
Wu	TF	Yen et al., "Synthesis of water-soluble copolymers containing photocleavable bonds", <i>Makromol. Chem.</i> , 190:69-82 (1989)

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10/099,700LIST OF PATENTS AND PUBLICATIONS FOR
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MADISON et al.FILING DATE
March 13, 2002GROUP
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WCM	TG	Yi et al., "Bikunin, a Serine Protease Inhibitor, is Present on the Cell Boundary of Epidermis", <i>J. Invest. Dermatol.</i> , <u>113</u> (2):182-188 (1999)
	TH	York et al., "Combinatorial Mutagenesis of the Reactive Site Region in Plasminogen Activator Inhibitor I", <i>J. Biol. Chem.</i> , <u>266</u> (13):8495-8500 (1991)
	TI	Yu et al., "Message of nexin 1, a serine protease inhibitor, is accumulated in the follicular papilla during anagen of the hair cycle", <i>J. Cell Sci.</i> , <u>108</u> :3867-3874 (1995)
	TJ	Zallipsky, "Functionalized Poly(ethylene glycol) for Preparation of Biologically Relevant Conjugates", <i>Bioconjugate Chem.</i> , <u>6</u> :150-165 (1995)
	TK	Zamore et al., "RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals", <i>Cell</i> , <u>101</u> :25-33 (2000)
	TL	Zebedee et al., "Human Combinatorial Antibody Libraries to Hepatitis B Surface Antigen", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> :3175-3179 (1992)
	TM	Zhang et al., "Distinct Contributions of Residue 192 to the Specificity of Coagulation and Fibrinolytic Serine Proteases", <i>J. Biol. Chem.</i> , <u>274</u> (11):7153-7156 (1999)
	TN	Zhang et al., "Modeling <i>Pichia pastoris</i> Growth on Methanol and Optimizing the Production of a Recombinant Protein, the Heavy-Chain Fragment C of Botulinum Neurotoxin, Serotype A", <i>Biotechnol Bioengineering</i> , <u>70</u> (1):1-8 (2000)
	TO	Zhou et al., "The Vaccinia Virus K2L Gene Encodes a Serine Protease Inhibitor Which Inhibits Cell-Cell Fusion", <i>Virology</i> , <u>189</u> :678-686 (1992)
	TP	Zijlstra et al., "Germ-line transmission of a disrupted β_2 -microglobulin gene produced by homologous recombination in embryonic stem cells", <i>Nature</i> , <u>342</u> :435-438 (1989)
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		Zuckermann et al., "Efficient Method for the Preparation of Peptoids [Oligo(N-substituted glycines)] by Submonomer Solid-Phase Synthesis", <i>J. Am. Chem. Soc.</i> , <u>114</u> :10646-10647 (1992)
		Zuckermann et al., "Identification of Highest-Affinity Ligands by Affinity Selection from Equimolar Peptide Mixtures Generated by Robotic Synthesis", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> :4505-4509 (1992)

EXAMINER

William R. Moore

DATE CONSIDERED

29 October 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON**